DISPATCH COST
RESIDENCE & BUSINESS

LINE	ITEM	SOURCE	AMOUNT
1.	1991 DISPATCH COST/SO	F1010, L5	$0.19
	INWARD % AL ASSIGNED DISPATCH		
2.	- RES	F1200, L4	0.22
3.	- BUS	F1200, L5	0.22
4.	- COMPLEX	F1200, L6	0.54
5.	- SEMI-PUB	MKTG CUST SVCS-PUB	1.00
6.	- PRIVATE COIN	MKTG CUST SVCS-PUB	1.00
	OUTWARD % AL ASSIGNED DISPATCH		
7.	- RES	F1200, L10	0.01
8.	- BUS	F1200, L11	0.01
9.	- COMPLEX	F1200, L12	0.01
10.	- SEMI-PUB	MKTG CUST SVCS-PUB	1.00
11.	- PRIVATE COIN	MKTG CUST SVCS-PUB	0.01
	INWARD 1991 DISPATCH COST/AL		
12.	- RES	L1 X L2	$0.04
13.	- BUS	L1 X L3	$0.04
14.	- COMPLEX	L1 X L4	$0.10
15.	- SEMI-PUB	L1 X L5	$0.19
16.	- PRIVATE COIN	L1 X L6	$0.19
	OUTWARD 1991 DISPATCH COST/AL		
17.	- RES	L1 X L7	$0.00*
18.	- BUS	L1 X L8	$0.00*
19.	- COMPLEX	L1 X L9	$0.00*
20.	- SEMI-PUB	L1 X L10	$0.19*
21.	- PRIVATE COIN	L1 X L11	$0.00*

* LESS THAN $.01

WEIGHTED DISPATCH - D. BUS, SEMI-PUB & PRIVATE COIN

LINE	ITEM	SOURCE	AMOUNT
	COST/DISPATCH - IN		
1.	-STD BUS	F1000, L13	$0.04
2.	-SEMI-PUB/PVT COIN	F1000, L15/16	$0.19
	COST/DISPATCH - OUT		
3.	-STD BUS & PVT COIN	F1000, L18	$0.00*
4.	-SEMI-PUB - OUT	F1000, L20	$0.19
5.	% SEMI-PUB & PVT COIN	F120, L4	0.028
6.	% STD BUS	F120, L5	0.972
7.	WEIGHTED STD BUS, SEMI-PUB & PVT COIN COST/DISPATCH - IN	(L1 X L6)+(L2 X L5)	$0.04
8.	WEIGHTED STD BUS, SEMI-PUB & PVT COIN COST/DISPATCH-OUT	(L3 X L6)+(L4 X L5)	$0.01

TEXAS 1991 MULTI-ELEMENT COST STUDY

FORM: 1100
SHEET: 1 of 2
DATE: 8/89

INSTALLATION/DISC[illegible]ECT
TRAVEL COST/TRIP
RES, STD. BUS., COMPLEX

LINE	ITEM	SOURCE	AMOUNT
	LABOR COST/HR (INC. UNCAT. TIME)		
1.	-INSTALLATION	FORM 801, L3	$39.71
2.	AVG TRAVEL HRS/TRIP	DIST. SVCS. I/M	0.26
3.	AVG TRAVEL HRS/RETURN TO WORKCTR TRIP	DIST. SVCS. I/M	0.24
4.	AVG # OF TRIPS/DAY	DIST. SVCS. I/M	5.0
5.	AVG TRAVEL HRS/TRIP (LOADED WITH RETURN TO WORKCTR TRIP)	L2 + (L3/L4)	0.31
	AL - 1PTY		
6.	TRAVEL COST PER TRIP (IN/OUT)	L1 X L5	$12.23
	% AL ASSIGNED TRIP-IN		
7.	-RES	DIST. SVCS. I/M	0.22
8.	-STD BUS	DIST. SVCS. I/M	0.22
9.	-COMPLEX	DIST. SVCS. I/M	0.54
	1989 AL-IN TRIP COST		
10.	-RES	(L6 X L7) X 1.0118*	$2.72
11.	-STD BUS	(L6 X L8) X 1.0118*	$2.72
12.	-COMPLEX	(L6 X L9) X 1.0118*	$6.68
	% AL ASSIGNED TRIP-OUT		
13.	-RES	DISC. SVCS. I/M	0.01
14.	-STD BUS	DISC. SVCS. I/M	0.01
15.	-COMPLEX	DISC. SVCS. I/M	0.01
	1989 AL-OUT TRIP COST		
16.	-RES	(L6 X L13) X 1.0118*	$0.12
17.	-STD BUS	(L6 X L14) X 1.0118*	$0.12
18.	-COMPLEX	(L6 X L15) X 1.0118*	$0.12

* PUC ASSESSMENT & UNCOLLECTIBLE EXPENSE FACTORS =
1.0014 X 1.0104 = 1.0118

INSTALLATION/DISCONNECT
TRAVEL COST/TRIP
RES, STD. BUS., COMPLEX

DATE: 8/89

LINE	ITEM	SOURCE	AMOUNT
19.	TWO-YR LEVELIZED INFLATION FACTOR	COST FACTORS SHEET # 2, ISSUE # 37	1.0726
	1991 AL-IN TRIP COST		
20.	-RES	L10 X L19	$2.92
21.	-STD BUS	L11 X L19	$2.92
22.	-COMPLEX	L12 X L19	$7.17
	1991 AL-OUT TRIP COST		
23.	-RES	L16 X L19	$0.13
24.	-STD BUS	L17 X L19	$0.13
25.	-COMPLEX	L18 X L19	$0.13

TEXAS 1991 MULTI-ELEMENT COST STUDY

FORM: 1101
SHEET: 1 of 1
DATE: 8/89

INSTALLATION/DISCONNECT/REPAIR
TRAVEL COST/TRIP
SEMI-PUBLIC COIN & PRIVATE COIN

LINE	ITEM	SOURCE	AMOUNT
	LABOR COST/HR (INC. UNCAT. TIME)		
1.	-INSTALLATION	FORM 801, L3	$39.71
2.	AVG TRAVEL HRS/TRIP	DIST. SVCS. I/M	0.41
3.	AVG TRAVEL HRS/RETURN TO WORKCTR TRIP	DIST. SVCS. I/M	0.20
4.	AVG # OF TRIPS/DAY	DIST. SVCS. I/M	5
5.	AVG TRAVEL HRS/TRIP (LOADED WITH RETURN TO WORKCTR TRIP)	L2 + (L3/L4)	0.45
6.	TRAVEL COST PER TRIP (IN/OUT)	L1 X L5	$17.87
	% AL ASSIGNED TRIP-IN		
7.	-SEMI-PUB	MKTG & CUST SVC	1.00
8.	-PRIVATE COIN	MKTG & CUST SVC	1.00
	1989 AL-IN TRIP COST		
9.	-SEMI-PUB	(L6 X L7) X 1.0118*	$18.08
10.	-PRIVATE COIN	(L6 X L8) X 1.0118*	$18.08
	% AL ASSIGNED TRIP-OUT		
11.	-SEMI-PUB	MKTG & CUST SVC	1.00
12.	-PRIVATE COIN	MKTG & CUST SVC	0.01
	1989 AL-OUT TRIP COST		
13.	-SEMI-PUB	(L6 X L11) X 1.0118*	$18.08
14.	-PRIVATE COIN	(L6 X L12) X 1.0118*	$0.18
15.	TWO-YR LEVELIZED INFLATION FACTOR	COST FACTORS SHEET # 2, ISSUE # 37	1.0726
	1991 AL-IN TRIP COST		
17.	-SEMI-PUB	L9 X L15	$19.39
18.	-PRIVATE COIN	L10 X L15	$19.39
	1991 AL-OUT TRIP COST		
19.	-SEMI-PUB	L13 X L15	$19.39
20.	-PRIVATE COIN	L14 X L15	$0.19

*PUC ASSESSMENT & UNCOLLECTIBLE EXPENSE FACTORS =
1.0014 X 1.0104 = 1.0118

WEIGHTED TRIP - ST. BUS, SEMI-PUB & PRIVATE COIN

DATE: 8/89

LINE	ITEM	SOURCE	AMOUNT
	COST/TRIP - IN		
1.	-STD BUS	F1100, L21	$2.92
2.	-SEMI-PUB/PVT COIN	F1101, L17	$19.39
	COST/TRIP - OUT		
3.	-STD BUS & PVT COIN	F1100, L24	$0.19
4.	-SEMI-PUB - OUT	F1100, L19	$19.39
5.	% SEMI-PUB & PVT COIN	F120, L4	0.028
6.	% STD BUS	F120, L5	0.972
7.	WEIGHTED STD BUS, SEMI-PUB & PVT COIN COST/TRIP - IN	(L1 X L6)+(L2 X L5)	3.38
8.	WEIGHTED STD BUS, SEMI-PUB & PVT COIN COST/TRIP-OUT	(L3 X L6)+(L4 X L5)	0.73

INSTALLATION/DISCO CT
TRAVEL COST/TRIP
RES, STD. BUS., COMPLEX

LINE	ITEM	SOURCE	AMOUNT
	LABOR COST/HR (INC. UNCAT. TIME)		
1.	-INSTALLATION	FORM 801, L3	$39.71
2.	AVG TRAVEL HRS/TRIP	DIST. SVCS. I/M	0.26
3.	AVG TRAVEL HRS/RETURN TO WORKCTR TRIP	DIST. SVCS. I/M	0.24
4.	AVG # OF TRIPS/DAY	DIST. SVCS. I/M	5.0
5.	AVG TRAVEL HRS/TRIP (LOADED WITH RETURN TO WORKCTR TRIP)	L2 + (L3/L4)	0.31
	AL - 1PTY		
6.	TRAVEL COST PER TRIP (IN/OUT)	L1 X L5	$12.23
	NO. OF TRIP/ORDER		
7.	-RES	DIST. SVCS. I/M	1.1
8.	-STD BUS	DIST. SVCS. I/M	1.2
9.	-COMPLEX	DIST. SVCS. I/M	1.5
	COST/TRIP		
10.	-RES	(L6 X L7) X 1.0118*	$13.61
11.	-STD BUS	(L6 X L8) X 1.0118*	$14.85
12.	-COMPLEX	(L6 X L9) X 1.0118*	$18.56
13.	2-YR LEVELIZED INFLATION FACTOR	COST FACTORS SHEET 2, ISSUE 36	1.0726
	1991 COST/TRIP		
14.	-RES	L10 X L13	$14.60
15.	-STD BUS	L11 X L13	$15.93
16.	-COMPLEX	L12 X L13	$19.91

* PUC ASSESSMENT & UNCOLLECTIBLE EXPENSE FACTORS =
1.0014 X 1.0104 = 1.0118

ACCESS LINE
COMPLETION RECORDING
RESIDENCE, STANDARD BUS & COMPLEX

LINE	ITEM	SOURCE	AMOUNT
	LABOR COST/HR (INC. UNCAT. TIME)		
1.	-INSTALLATION (IN)-M	FORM 801 L3	$39.71
	AVG. LABOR HRS:		
2.	-COMPLETION RECORDING	DIST. SVCS. I/M	0.08
3.	-COST/COMPLETION RECRDG-I/O	L1 X L2	$3.18
	%AL COMPLETION RECORDING-IN		
4.	-RES	SMARTS #7, JAN-APR '89	0.22
5.	-STD BUS	SMARTS #7, JAN-APR '89	0.22
6.	-COMPLEX	SMARTS #7, JAN-APR '89	0.54
	1989 AL-IN COMPLETION RECORDING COST		
7.	-RES	(L3 X L4) X 1.0118*	0.70
8.	-STD BUS	(L3 X L5) X 1.0118*	0.70
9.	-COMPLEX	(L3 X L6) X 1.0118*	1.72
	% AL COMPLETION RECORDING-OUT		
10.	-RES	DIST. SVCS. I/M	0.01
11.	-STD BUS	DIST. SVCS. I/M	0.01
12.	-COMPLEX	DIST. SVCS. I/M	0.01
	AL-OUT COMPLETION RECORDING COST		
13.	-RES	(L3 X L10) X 1.0118*	$0.03
14.	-STD BUS	(L3 X L11) X 1.0118*	$0.03
15.	-COMPLEX	(L3 X L112 X 1.0118*	$0.03
16.	2-YR LEVELIZED INFLATION FACTOR	COST FACTORS SHEET 2, ISSUE 36	1.0726
	1991 AL-COMPLETION RECORDING ~~& LST~~ COST - IN		
28.	-RES	L7 X L16	0.75
29.	-STD BUS	L8 X L16	0.75
30.	-COMPLEX	L9 X L16	1.84
	1991 AL-COMPLETION RECORDING COST - OUT		
31.	-RES	L13 X L16	$0.03
32.	-STD BUS	L14 X L16	$0.03
33.	-COMPLEX	L15 X L16	$0.03

* PUC ASSESSMENT & UNCOLLECTIBLE EXPENSE FACTORS =
1.0014 X 1.0104 = 1.0118

ACCESS LINE
COMPLETION RECORDING (IN/OUT)
SEMI-PUBLIC COIN & PRIVATE COIN

LINE	ITEM	SOURCE	AMOUNT
	LABOR COST/HR (INC. UNCAT. TIME)		
1.	-INSTALLATION	FORM 801, L3	$39.71
	AVG LABOR HRS		
2.	-COMP. RECORDING-IN/OUT	DIST. SVCS. I/M	0.081
	COST/COMPLETION RECORDING		
3.	-IN/OUT	L1 X L2	$3.22
	% AL ASSIGNED COMP. RECORDING-IN		
4.	-SEMI-PUB	MKTG & CUST SVC	1.00
5.	-PRIVATE COIN	MKTG & CUST SVC	1.00
	1989 AL-IN TRIP COMPLETION RECORDING COST		
6.	-SEMI-PUB	(L3 X L4) X 1.0118*	$3.25
7.	-PRIVATE COIN	(L3 X L5) X 1.0118*	$3.25
	% AL ASSIGNED COMPLETION RECORDING-OUT		
8.	-SEMI-PUBLIC	MKTG & CUST SVC	1.00
9.	-PRIVATE COIN	MKTG & CUST SVC	0.01
	1989 AL-OUT COMPLETION RECORDING COST		
10.	-SEMI-PUBLIC	(L3 X L8) X 1.0118*	$3.25
11.	-PRIVATE COIN	(L3 X L9) X 1.0118*	$0.03
12.	TWO-YR LEVELIZED INFLATION FACTOR	COST FACTORS SHEET # 2, ISSUE # 37	1.0726

* PUC ASSESSMENT & UNCOLLECTIBLE EXPENSE FACTORS =
1.0014 X 1.0104 = 1.0118

TEXAS 1991 MULTI-ELEMENT COST STUDY

FORM: 1201
SHEET: 2 OF 2
DATE: 8/89

ACCESS LINE
COMPLETION RECORDING (IN/OUT)
SEMI-PUBLIC COIN & PRIVATE COIN

LINE	ITEM	SOURCE	AMOUNT
	1991 AL-IN COMPLETION RECORDING COST		
14.	-SEMI-PUB	L6 X L12	$3.49
15.	-PRIVATE COIN	L7 X L12	$3.49
	1991 AL-OUT COMPLETION RECORDING COST		
16.	-SEMI-PUB	L10 X L12	$3.49
17.	-PRIVATE COIN	L11 X L12	$0.03

* PUC ASSESSMENT & UNCOLLECTIBLE EXPENSE FACTORS =
1.0014 X 1.0104 = 1.0118

WEIGHTED COMPLETIO[illegible] ECORDING -
STD. BUS, SEMI-PUB & PRIVATE COIN

LINE	ITEM	SOURCE	AMOUNT
	COST/COMPLETION - IN		
1.	-STD BUS	F1200, L29	$0.75
2.	-SEMI-PUB/PVT COIN	F1201, L14	$3.49
	COST/COMPLETION - OUT		
3.	-STD BUS & PVT COIN	F1200, L32	$0.03
4.	-SEMI-PUB - OUT	F1201, L16	$3.49
5.	% SEMI-PUB & PVT COIN	F120, L4	0.028
6.	% STD BUS	F120, L5	0.972
7.	WEIGHTED STD BUS, SEMI-PUB & PVT COIN COST/COMP. - IN	(L1 X L6)+(L2 X L5)	0.83
8.	WEIGHTED STD BUS, SEMI-PUB & PVT COIN COST/COMP.-OUT	(L3 X L6)+(L4 X L5)	0.13

Docket No. 14940
Office of Public Utility Counsel
First Request
Information Request No. 1-6
02/20/96

1-6.

Will Southwestern Bell charge users (i.e., LSP*) of interim number portability services the federal end user common line charges. Unless the answer is an unqualified no, then please: a) identify all instances in which these charges apply; b) provide a rationale for why in Southwestern bells opinion these charges should apply; c) provide the corresponding LRIC studies (plus all supporting documents, work papers and other analyses) for the end user common line charges; d) provide a demonstration that contribution levels do not exceed 5%, as mandated by the Commissions Preliminary Order of December 21, 1995, Docket No. 14940, Issue No. 3.

Answer: No. However, in regard to OPUC's reference in d), SWBT disagrees the Commission has "mandated" that contribution levels do not exceed 5%.

Responsible Person: Kevin Chapman
Area Manager-Tariffs and Regulatory
Southwestern Bell Telephone Company
One Bell Center, 37-S-07
St. Louis, Missouri 63101

Barbara A. Smith
Area Manager-Product Cost Development,
Analysis and Regulatory
Southwestern Bell Telephone Company
One Bell Center, 37-Y-01
St. Louis, Missouri 63101

1-7.

For each type of switch used by Southwestern Bell, please specify how many simultaneous call paths can be supported by the switch with the use of remote call forwarding.

Answer: SWBT assumes that this question refers to the number of simultaneous calls that can be placed to a given directory number (as discussed on pages 5 and 6 of Mr. Deere's direct testimony).

Switch	Simultaneous Remote Call Forward Paths for a single Directory Number
AXE	64
DMS-10	15
DMS-100	512
1A ESS	No limit except that it is limited to one

	call in ringing stage
2B ESS	8191
5ESS	99

Responsible Person: William Deere
Regional Manager-Planning and
Engineering
Southwestern Bell Telephone Company
One Bell Plaza, Room 2312
Dallas, TX 75202

Docket No. 14940
Office of Public Utility Counsel
First Request
Information Request No. 1-8
02/20/96

1-8.

Is it true that the AT&T 5ESS switches deployed by SWBT can accommodate 99 additional call paths with RCF? Please explain.

Answer: The 5ESS is limited to having 99 simultaneous calls to a single directory number at any given time.

Responsible Person: William Deere
Regional Manager-Planning and Engineering
Southwestern Bell Telephone Company
One Bell Plaza, Room 2312
Dallas, TX 75202

Docket No. 14940
Office of Public Utility Counsel
First Request
Information Request No. 1-9
02/20/96

1-9.

Is it true that SWBT has to program its switches to block additional calls under RCF. Please explain.

Answer: SWBT does have to enter programming into the central office switch to specify the number of simultaneous calls that a customer has ordered. There is no programming that will increase the call limit above that specified by the manufacturer.

Responsible Person: William Deere
Regional Manager-Planning and Engineering
Southwestern Bell Telephone Company
One Bell Plaza, Room 2312
Dallas, TX 75202

Docket No. 14940
Office of Public Utility Counsel
First Request
Information Request No. 1-10.(a)
02/20/96

1-10.(a).

This question concerns the discussion of additional call paths, as found in Ms. Flemmings testimony, p.7. For each type of switch used by Southwestern Bell, please discuss in full detail and as extensively as possible:

a) why, when a telephone call is forwarded from SWBT to the LSPs switch via RCF, additional calls to that telephone number will receive a busy signal (Flemming, p.7);

Answer: The basic design of remote call forwarding is such that unless additional programming is applied, only one call is forwarded to a single directory number. Enhancements to the remote call forwarding feature will allow additional calls to be programmed for completion if necessary. The distant telephone number must be equipped with multiple line terminations if additional calls are to be forwarded to prevent the interoffice trunking from being required to transport calls that cannot be completed.

Responsible Person: William Deere
Regional Manager-Planning and
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Southwestern Bell Telephone Company
One Bell Plaza, Room 2312
Dallas, TX 75202

Docket No. 14940
Office of Public Utility Counsel
First Request
Information Request No. 1-10.(b)
02/20/96

1-10.(b).

This question concerns the discussion of additional call paths, as found in Ms. Flemmings testimony, p.7. For each type of switch used by Southwestern Bell, please discuss in full detail and as extensively as possible:

b) where in the switch the blocking function occurs;

Answer: This is not really a blocking function, it is the normal busy signal indicating that a number is in use. The call termination routines of the central office switch determine that an attempt is being made to complete more calls than allowed and return the busy signal.

Responsible Person: William Deere
Regional Manager-Planning and Engineering
Southwestern Bell Telephone Company
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Dallas, TX 75202

Docket No. 14940
Office of Public Utility Counsel
First Request
Information Request No. 1-10.(c)
02/20/96

1-10.(c).

This question concerns the discussion of additional call paths, as found in Ms. Flemmings testimony, p.7. For each type of switch used by Southwestern Bell, please discuss in full detail and as extensively as possible:

c) what functions SWBT will perform to prevent blocking when an additional call path is ordered;

Answer: The method varies by type of switch, but in general either a simulated facility group must be programmed to allow additional calls, or a feature such as "Interoffice Multiple Call Forwarding" (1A ESS) must be applied to the telephone number.

Responsible Person: William Deere
Regional Manager-Planning and
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Southwestern Bell Telephone Company
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Dallas, TX 75202

Docket No. 14940
Office of Public Utility Counsel
First Request
Information Request No. 1-10.(d)
02/20/96

1-10.(d).

This question concerns the discussion of additional call paths, as found in Ms. Flemmings testimony, p.7. For each type of switch used by Southwestern Bell, please discuss in full detail and as extensively as possible:

d) what switch components are involved to provide additional call paths for additional calls;

Answer: Additional call store memory, simulated facility groups, call forwarding registers, additional switching paths through the switch, and additional processor time will be used.

Responsible Person: William Deere
Regional Manager-Planning and Engineering
Southwestern Bell Telephone Company
One Bell Plaza, Room 2312
Dallas, TX 75202

Docket No. 14940
Office of Public Utility Counsel
First Request
Information Request No. 1-10.(e)
02/20/96

1-10.(e).

This question concerns the discussion of additional call paths, as found in Ms. Flemmings testimony, p.7. For each type of switch used by Southwestern Bell, please discuss in full detail and as extensively as possible:

e) what other network functions are involved to accommodate additional calls;

Answer: Additional trunk paths between the LEC and LSP central office switches will be required. If the LSP is interconnected through the local tandem, two trunk terminations and a switching path through the tandem will be required. Additional tandem processor time will also be used.

Responsible Person: William Deere
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